



## Abstract

Wireless access to a computer network, such as the Internet and its associated World Wide Web resources, is greatly simplified using a voice driven system in which specific Web pages are identified using spoken shortcut phrases, which phrases are converted into text commands and compared to a database of stored bookmarks. When a matching bookmark is located, it is sent to a Web server which will serve up the resource to the wireless access device, such as a cellular telephone or personal digital assistant. Preferably, the wireless access device can maintain a voice channel to a speech server for providing spoken shortcuts, while at the same time maintaining a data channel to the Web server for receiving the requested Web pages. In other embodiments, the spoken command is provided over a voice connection, which connection is terminated in order to allow the requested page to be served over a data connection. In yet other embodiments, a data connection is established first and a hyperlink to a speech server is provided; when the speech server is selected, the data connection is suspended while a voice connection with the speech server is established and the spoken shortcuts are provided.